BLADE FX

blizzard LIGHTING

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1. GETTING STARTED

What's In The Box?

- 1 x Blade™ QFX Moving Head Fixture
- An Ever-So-Handy Power Cord
- A Sweet Mounting Bracket
- This Lovely User Manual

Getting It Out Of The Box

Congratulations on purchasing one of the coolest, fastest LED fixtures anywhere! Now that you're the proud owner of a Blade™ QFX (or hopefully, BLADES!), you should carefully unpack the box and check the contents to ensure that all parts are present and in good condition. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Powering Up!

All fixtures must be powered directly off a switched circuit and **cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch**.

AC Voltage Switch - Not all fixtures have a voltage select switch, so please verify that the fixture you receive is suitable for your local power supply. See the label on the fixture or refer to the fixture's specifications chart for more information. A fixture's listed current rating is its average current draw under normal conditions. Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

Warning! ***Verify that the voltage select switch on your unit matches the line voltage applied. Damage to your fixture may result if the line voltage applied does not match the voltage indicated on the voltage selector switch. All fixtures must be connected to circuits with a suitable Ground (Earthing).***

Getting A Hold Of Us

If something is wrong, just give us a call or send an email. We'll be happy to help, honest.

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Author:	Date:	Last Edited:	Date:
J. Thomas	5/24/2013	J. Thomas	7/12/2013

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SAFETY INSTRUCTIONS

Please read these instructions carefully. They include important information about the installation, usage and maintenance of this product.

- Please keep this User Guide for future use. If you sell the unit to someone else, be sure that they also receive this User Guide.

- ALWAYS make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.

- This product is intended for indoor use only.

- To prevent risk of fire or shock, do not expose fixture to rain or moisture.

- Make sure there are no flammable materials close to the unit while operating.

- The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.

- ALWAYS disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type.

- ALWAYS secure fixture using a safety chain. NEVER carry the fixture by its cord. Use its carrying handles.

- DO NOT operate at ambient temperatures higher than 104°F (40°C).

- In the event of a serious operating problem, stop using the unit immediately. NEVER try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

- NEVER connect the device to a dimmer pack.

- Make sure the power cord is never crimped or damaged.

- Never disconnect the power cord by pulling or tugging on the cord.

- Avoid direct eye exposure to the light source while it is on.

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact Blizzard Lighting at support@blizzardlighting.com.

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2. MEET THE BLADE™ QFX MOVING HEAD

MAIN FEATURES:

- 12x 10-watt R/G/B/W 4-in-1 CREE® LED's
- User selectable 13 or 25 DMX channels
- Automated and DMX controllable 4-quadrant pixel effects
- Blazing fast 540° pan and 270° tilt
- Razor-sharp 10° beam angle
- 1-30 per second adjustable strobe
- Full color mixing in standalone, master/slave and DMX modes
- Built-in automated programs via master/slave
- Built-in sound activated programs via master/slave
- Defeatable pan/tilt correction with trim adjustment
- Fixture ID based DMX settings
- 3-pin male input and 3-pin female output
- PowerCon™ compatible AC power In/Out connectors
- Compact, high quality housing

CONTROL:

- USITT DMX-512 (13/25 Channels)
- 3-pin Input/Output
- 4-button menu with LCD display

DMX Quick Reference (13-Channel Mode)

Channel	What is does
1	Pan
2	Pan Trim (16-bit)
3	Tilt
4	Tilt Trim (16-bit)
5	Pan/Tilt Speed (Fast <--> Slow)
6	Dimmer (0% <--> 100%)
7	Strobe
8	Built-in Programs
9	Built-in Program Speed (0% <--> 100%)
10	Red Intensity (0% <--> 100%)
11	Green Intensity (0% <--> 100%)
12	Blue Intensity (0% <--> 100%)
13	White Intensity (0% <--> 100%)

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DMX Quick Reference (25-Channel Mode)

Channel	What is does
1	Pan
2	Pan Trim (16-bit)
3	Tilt
4	Tilt Trim (16-bit)
5	Pan/Tilt Speed (Fast <--> Slow)
6	Dimmer (0% <--> 100%)
7	Strobe
8	Built-in Programs
9	Built-in Program Speed (0% <--> 100%)
10	1st LED Group - Red Intensity (0% <--> 100%)
11	1st LED Group - Green Intensity (0% <--> 100%)
12	1st LED Group - Blue Intensity (0% <--> 100%)
13	1st LED Group - White Intensity (0% <--> 100%)
14	2nd LED Group - Red Intensity (0% <--> 100%)
15	2nd LED Group - Green Intensity (0% <--> 100%)
16	2nd LED Group - Blue Intensity (0% <--> 100%)
17	2nd LED Group - White Intensity (0% <--> 100%)
18	3rd LED Group - Red Intensity (0% <--> 100%)
19	3rd LED Group - Green Intensity (0% <--> 100%)
20	3rd LED Group - Blue Intensity (0% <--> 100%)
21	3rd LED Group - White Intensity (0% <--> 100%)
22	4th LED Group - Red Intensity (0% <--> 100%)
23	4th LED Group - Green Intensity (0% <--> 100%)
24	4th LED Group - Blue Intensity (0% <--> 100%)
25	4th LED Group - White Intensity (0% <--> 100%)

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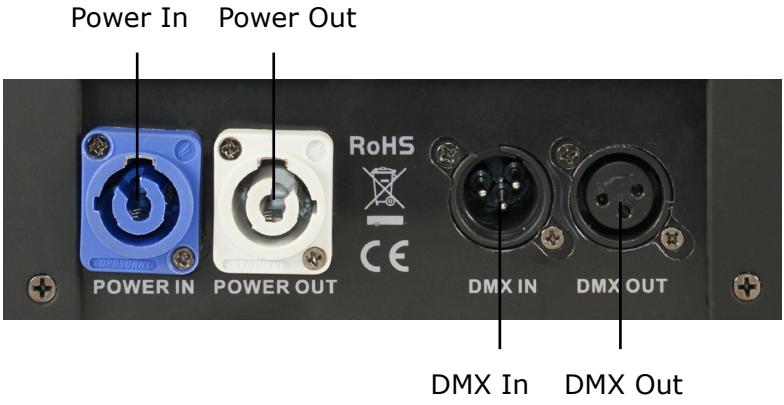
Figure 1: The Blade™ QFX Pin-Up Picture

Figure 2: The Rear Connections



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3. SETUP

Before replacing a fuse, disconnect power cord. ALWAYS replace with the same type and rating of fuse.

Fuse Replacement

CAUTION! The Blade™ QFX utilizes a high-output switch-mode power supply with an internal fuse. Under normal operating conditions, the fuse should not require replacement. The fuse is field replaceable, however it is an advanced procedure suited to qualified individuals. Should your Blade™ QFX fuse require replacement, please contact Blizzard Lighting for instructions, or to return your unit for service.

Connecting A Bunch of Blade™ QFX Fixtures

You will need a serial data link to run light shows using a DMX-512 controller or to run shows on two or more fixtures set to sync in master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Fixtures on a serial data link must be daisy chained in one single line. Also, connecting more than 32 fixtures on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the digital DMX signal.
The maximum recommended cable-run distance is 500 meters (1640 ft). The maximum recommended number of fixtures on a serial data link is 32 fixtures.

Data/DMX Cabling

To link fixtures together you'll need data cables. You should use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

For instance, Belden© 9841 meets the specifications for EIA RS-485 applications. Standard microphone cables will "probably" be OK, but note that they cannot transmit DMX data as reliably over long distances. In any event, the cable should have the following characteristics:

2-conductor twisted pair plus a shield
Maximum capacitance between conductors – 30 pF/ft.
Maximum capacitance between conductor & shield – 55 pF/ft.
Maximum resistance of 20 ohms / 1000 ft.
Nominal impedance 100 – 140 ohms

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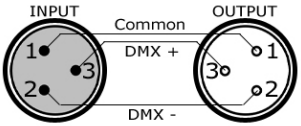
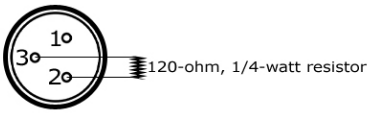
Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end. (Duh!)



A Word on Termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.

To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2 & 3 of the last fixture. They are also readily available from specialty retailers.



CAUTION: Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

3-Pin??? 5-Pin??? Huh?!?

If you use a controller with a 5 pin DMX output connector, you will need to use a 5 pin to 3 pin adapter. They are widely available over the internet and from specialty retailers. If you'd like to build your own, the chart below details a proper cable conversion:

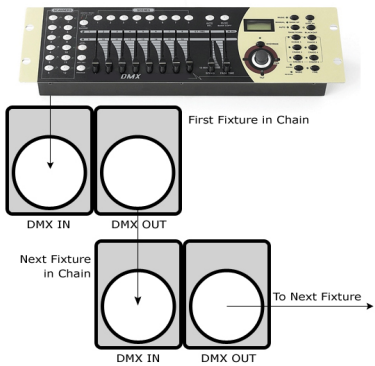
Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
DMX Data (-)	Pin 2	Pin 2
DMX Data (+)	Pin 3	Pin 3
Not Used.	No Connection.	No Connection.
Not Used.	No Connection.	No Connection.

Take It To The Next Level: Setting Up DMX Control

Step 1: Connect the male connector of the DMX cable to the female connector (output) on the controller.

Step 2: Connect the female connector of the DMX cable to the first fixture's male connector (input). *Note:* It doesn't matter which fixture address is the first one connected. We recommend connecting the fixtures in terms of their proximity to the controller, rather than connecting the lowest fixture number first, and so on.

Step 3: Connect other fixtures in the chain from output to input as above. Place a DMX terminator on the output of the final fixture to ensure best communication.



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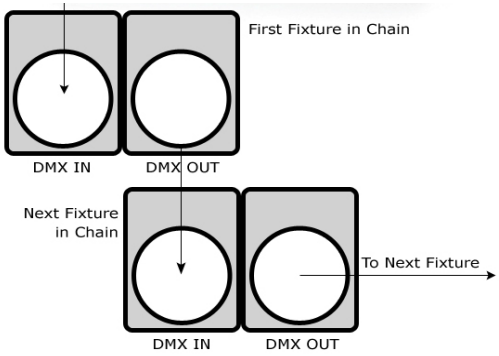
Fixture Linking (Master/Slave Mode)

1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.



A quick note: Often, the setup for Master-Slave and Standalone operation requires that the first fixture in the chain be initialized for this purpose via either settings in the control panel or DIP-switches. Secondarily, the fixtures that follow may also require a slave setting.

Check the "**Operating Adjustments**" section in this manual for complete instructions for this type of setup and configuration.

Mounting & Rigging

This fixture may be mounted in any SAFE position provided there is enough room for ventilation.

It is important never to obstruct the fan or vents pathway. Mount the fixture using a suitable "C" or "O" type clamp. The clamp should be rated to hold at least 10x the fixture's weight to ensure structural stability. Do not mount to surfaces with unknown strength, and ensure properly "rated" rigging is used when mounting fixtures overhead.

Adjust the angle of the fixture by loosening both knobs and tilting the fixture. After finding the desired position, retighten both knobs.

- When selecting installation location, take into consideration lamp replacement access (if applicable) and routine maintenance.
- Safety cables MUST ALWAYS be used.
- Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.

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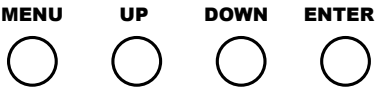
4. OPERATING ADJUSTMENTS

The Control Panel

All the goodies and different modes possible with the Blade™ QFX are accessed by using the control panel on the front of the fixture. There are 4 control buttons below the LCD display which allow you to navigate through the various control panel menus.



Main Menu

To navigate through the LCD control panel main menu, use the **<UP/DOWN>** buttons to scroll through the various top level menu options. Then to select an option to edit its settings, push the **<ENTER>** button.

Control Panel Menu Structure

DMX 512	--	Choose Fixture ID
	001-512	DMX Address
Channel	13	13 Channel DMX Mode
	25	25 Channel DMX Mode
Master Sound	00-99	Sound Active Mode
Master Auto	00-15	Auto Mode
Master Prog	00-22	Built-in Programs
Master Fade	00-15	Fade (Fast <--> Slow)
Master Shut	00-15	Strobe (Fast <--> Slow)
Motor X	000-255	Pan (Slow <--> Fast)
Motor Y	000-255	Tilt (Slow <--> Fast)
Info Sys	LED BEAM	System Information
Setup R	000-1800	Red Intensity
Setup G	000-1800	Green Intensity
Setup B	000-1800	Blue Intensity
Setup W	000-1800	White Intensity
Setup X	InvX	Yes/No (invert pan)
Setup Y	InvY	Yes/No (invert tilt)

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DMX Mode - Fixture ID / DMX Channel Selection

The menu has a unique feature which allows you to assign any or all of you Blade™ QFX fixtures a "Fixture ID" number. This allows quick access to evenly spaced starting DMX address that correspond to the number of channels needed in 13/25 channel modes.

13 CHANNEL MODE - INITIAL FIXTURE ID / DMX STARTING ADDRESS:			
Fixture ID	DMX Address	Fixture ID	DMX Address
01	001	11	131
02	014	12	144
03	027	13	157
04	040	14	170
05	053	15	183
06	066	16	196
07	079	17	209
08	092	18	222
09	105	19	235
10	118		

25 CHANNEL MODE - INITIAL FIXTURE ID / DMX STARTING ADDRESS:			
Fixture ID	DMX Address	Fixture ID	DMX Address
01	001	06	126
02	026	07	151
03	051	08	176
04	076	09	201
05	101	10	226

Note: These are only the initial/default fixture ID to DMX address settings. Changing a DMX address setting within a fixture ID will automatically change all combinations thereafter, per mode. For example: In 25 channel mode, if you change fixture ID 01 to DMX starting address 002... then fixture ID 02 will automatically move up one number and now be DMX starting address 027, fixture ID 03 will be DMX starting address 052, and so on all the way down the line.

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Selecting A Fixture ID

To setup or use a fixture ID, push the **<MENU>** button until you reach the DMX512 screen. Press the **<ENTER>** button once, and note that the digits located at the bottom left are underlined. This is the fixture ID, and its assigned starting DMX address is to to right. To use a different fixture ID, push the **<UP/DOWN>** buttons to until you reach your desired ID number.

Changing A Fixture ID Starting DMX Address

After you've reached your desired ID number, push the **<ENTER>** button once, and you'll notice that its assigned DMX address on the right is now underlined and ready for editing. Use the **<UP/DOWN>** buttons to select your desired DMX address anywhere from 001-255. Push **<ENTER>** confirm (See page 12 for more info.)

DMX Mode Selection

To use the fixture in either 13CH, or 25CH DMX channel mode, use the **<UP/DOWN>** buttons to scroll to Channel, and push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to scroll to either 13CH or 25CH. Then push the **<ENTER>** button to confirm your choice.

Sound Active Mode

In sound active mode, the fixture will react to sound, chasing through the built-in programs. To use the fixture in sound active mode, use the **<UP/DOWN>** buttons to scroll to Master Sound, then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to select the microphone sensitivity level from 00 to 99 (high <--> low). Then push the **<ENTER>** button to confirm your choice.

Auto Mode

In auto mode, the fixture will automatically chase through its built-in programs. To use the fixture in auto mode, use the **<UP/DOWN>** buttons to scroll to Master Auto, then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to select the auto mode of your choice from 00 to 15. This will adjust the speed (fast <--> slow). Then push the **<ENTER>** button to confirm your choice.

Program Mode (Built-in Programs)

To use the fixture in program mode, use the **<UP/DOWN>** buttons to scroll to Master Prog, then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to select the individual built-in program of your choice from 00 to 22. Then push the **<ENTER>** button to confirm your choice.

Fade Mode

To adjust the fade speed, use the **<UP/DOWN>** buttons to scroll to Master Fade, then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to select the fade rate of speed from 00 to 15 (fast <--> slow). Then push the **<ENTER>** button to confirm your choice.

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Strobe Mode

To adjust the strobe speed, use the **<UP/DOWN>** buttons to scroll to Master Shut, then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to select the strobe rate of speed from 00 to 15 (fast <--> slow). Then push the **<ENTER>** button to confirm your choice.

Manual X (Pan) Positioning

To manually adjust the position of the pan motor, use the **<UP/DOWN>** buttons to scroll to Motor X, then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to adjust the pan position anywhere from 000 to 255. Then push the **<ENTER>** button to confirm your choice.

Manual Y (Tilt) Positioning

To manually adjust the position of the tilt motor, use the **<UP/DOWN>** buttons to scroll to Motor Y, then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to adjust the pan position anywhere from 000 to 255. Then push the **<ENTER>** button to confirm your choice.

Manual Color Adjustment

To manually adjust the level intensity of Red, Green, Blue, or White use the **<UP/DOWN>** buttons to scroll to Setup R, Setup G, Setup B or Setup W then push the **<ENTER>** button. Next, use the **<UP/DOWN>** buttons to adjust the intensity anywhere from 000 to 1800. Then push the **<ENTER>** button to confirm.

DMX Values In-Depth (13-Channel Mode)

Channel	Value	What It Does
1	000 <--> 255	Pan
2	000 <--> 255	Pan Trim (16-bit)
3	000 <--> 255	Tilt
4	000 <--> 255	Tilt Trim (16-bit)
5	000 <--> 255	Pan/Tilt Speed (Fast <--> Slow)
6	000 <--> 255	Dimmer (0% <--> 100%)
7	000 <--> 009 010 <--> 089 090 <--> 169 170 <--> 249 250 <--> 255	No Function Strobe (Slow <--> Fast) Random Strobe Strobe with color changing No Function
8	000 <--> 255	Built-in Programs
9	000 <--> 255	Built-in Program Speed (0% <--> 100%)
10	000 <--> 255	Red Intensity (0% <--> 100%)
11	000 <--> 255	Green Intensity (0% <--> 100%)
12	000 <--> 255	Blue Intensity (0% <--> 100%)
13	000 <--> 255	White Intensity (0% <--> 100%)

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DMX Values In-Depth (25-Channel Mode)

Channel	Value	What It Does
1	000 <--> 255	Pan
2	000 <--> 255	Pan Trim (16-bit)
3	000 <--> 255	Tilt
4	000 <--> 255	Tilt Trim (16-bit)
5	000 <--> 255	Pan/Tilt Speed (Fast <--> Slow)
6	000 <--> 255	Dimmer (0% <--> 100%)
7	000 <--> 009 010 <--> 089 090 <--> 169 170 <--> 249 250 <--> 255	No Function Strobe (Slow <--> Fast) Random Strobe Strobe with color changing No Function
8	000 <--> 255	Built-in Programs
9	000 <--> 255	Built-in Program Speed (0% <--> 100%)
10	000 <--> 255	1st LED Group - Red Intensity (0% <--> 100%)
11	000 <--> 255	1st LED Group - Green Intensity (0% <--> 100%)
12	000 <--> 255	1st LED Group - Blue Intensity (0% <--> 100%)
13	000 <--> 255	1st LED Group - White Intensity (0% <--> 100%)
14	000 <--> 255	2nd LED Group - Red Intensity (0% <--> 100%)
15	000 <--> 255	2nd LED Group - Green Intensity (0% <--> 100%)
16	000 <--> 255	2nd LED Group - Blue Intensity (0% <--> 100%)
17	000 <--> 255	2nd LED Group - White Intensity (0% <--> 100%)
18	000 <--> 255	3rd LED Group - Red Intensity (0% <--> 100%)
19	000 <--> 255	3rd LED Group - Green Intensity (0% <--> 100%)
20	000 <--> 255	3rd LED Group - Blue Intensity (0% <--> 100%)
21	000 <--> 255	3rd LED Group - White Intensity (0% <--> 100%)
22	000 <--> 255	4th LED Group - Red Intensity (0% <--> 100%)
23	000 <--> 255	4th LED Group - Green Intensity (0% <--> 100%)
24	000 <--> 255	4th LED Group - Blue Intensity (0% <--> 100%)
25	000 <--> 255	4th LED Group - White Intensity (0% <--> 100%)

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5. APPENDIX

A Quick Lesson On DMX

DMX covers (and is an abbreviation for) Digital MultipleXed signals. It is the most common communications standard used by lighting and related stage equipment.

DMX provides up to 512 control "channels" per data link. Each of these channels was originally intended to control lamp dimmer levels. You can think of it as 512 faders on a lighting console, connected to 512 light bulbs. Each slider's position is sent over the data link as an 8-bit number having a value between 0 and 255. The value 0 corresponds to the light bulb being completely off while 255 corresponds to the light bulb being fully on.

DMX data is transmitted at 250,000 bits per second using the RS-485 transmission standard over two wires. As with microphone cables, a grounded cable shield is used to prevent interference with other signals.

There are five pins on a DMX connector: a wire for ground (cable shield), two wires for "Primary" communication which goes from a DMX source to a DMX receiver, and two wires for a "Secondary" communication which goes from a DMX receiver back to a DMX source. Generally, the "Secondary" channel is not used so data flows only from sources to receivers. Hence, most of us are most familiar with DMX-512 as being employer over typical 3-pin "mic cables," although this does not conform to the defined standard.

DMX is connected using a daisy-chain configuration where the source connects to the input of the first device, the output of the first device connects to the input of the next device, and so on. The standard allows for up to 32 devices on a single DMX link.

Each receiving device typically has a means for setting the "starting channel number" that it will respond to. For example, if two 6-channel fixtures are used, the first fixture might be set to start at channel 1 so it would respond to DMX channels 1 through 6, and the next fixture would be set to start at channel 7 so it would respond to channels 7 through 12.

Troubleshooting

Symptom	Solution
Fixture Auto-Shut Off	Check the fan in the fixture. If it is stopped or moving slower than normal, the unit may have shut itself off due to high heat. This is to protect the fixture from overheating. Clear the fan of obstructions, or return the unit for service.
Beam is Dim	Check optical system and clean excess dust/grime. Also ensure that the 220V/110V switch is in the correct position, if applicable.
No Light Output	Check to ensure fixture is operating under correct mode, IE sound active/auto/DMX/Etc., if applicable. Contact service for more information.
Chase Speed Too Fast/Slow	Check to ensure proper setup of speed adjustment.
No Power	Check fuse, AC cord and circuit for malfunction.
No Response to Audio	Verify that the fixture is in "Sound Active" mode. Adjust Audio Sensitivity, If Applicable.
Fixture Not Responding / Responding Erratically	Make sure all connectors are seated properly and securely. Use Only DMX Cables. Install a Terminator. Check all cables for defects. Reset fixture(s).

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Keeping Your Blade™ QFX As Good As New

The fixture you've received is a rugged, tough piece of pro lighting equipment, and as long as you take care of it, it will take care of you. That said, like anything, you'll need to take care of it if you want it to operate as designed. You should absolutely keep the fixture clean, especially if you are using it in an environment with a lot of dust, fog, haze, wild animals, wild teenagers or spilled drinks.

Cleaning the optics routinely with a suitable glass cleaner will greatly improve the quality of light output. Keeping the fans free of dust and debris will keep the fixture running cool and prevent damage from overheating.

In transit, keep the fixtures in cases. You wouldn't throw a prized guitar, drumset, or other piece of expensive gear into a gear trailer without a case, and similarly, you shouldn't even think about doing it with your shiny new light fixtures.

Common sense and taking care of your fixtures will be the single biggest thing you can do to keep them running at peak performance and let you worry about designing a great light show, putting on a great concert, or maximizing your client's satisfaction and "wow factor." That's what it's all about, after all!

Returns (Gasp!)

We've taken a lot of precautions to make sure you never even have to worry about sending a defective unit back, or sending a unit in for service. But, like any complex piece of equipment designed and built by humans, once in a while, something doesn't go as planned. If you find yourself with a fixture that isn't behaving like a good little fixture should, you'll need to obtain a Return Authorization (RA).

Don't worry, this is easy. Just send an email to support@blizzardlighting.com, and we'll issue you an RA. Then, you'll need to send the unit to us using a trackable, pre-paid freight method. We suggest using USPS Priority or UPS. Make sure you carefully pack the fixture for transit, and whenever possible, use the original box & packing for shipping.

When returning your fixture for service, be sure to include the following:

1.) Your contact information (Name, Address, Phone Number, Email address).
2.) The RA# issued to you
3.) A brief description of the problem/symptoms.

We will, at our discretion, repair or replace the fixture. Please remember that any shipping damage which occurs in transit to us is the customer's responsibility, so pack it well!

Shipping Issues

Damage incurred in shipping is the responsibility of the shipper, and must be reported to the carrier immediately upon receipt of the items. Claims must be made within seven (7) days of receipt.

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Tech Specs!

Weight & Dimensions	
Length	13.4 inches (34 cm)
Width	9.5 inches (24 cm)
Height	14.8 inches (37.5 cm)
Weight	11.5 lbs (5.2 kg)
Power	
Operating Voltage	AC 110-250VAC, 50-60 Hertz
Power Consumption	112W, 1.5A (full white)
Power Factor	.59
Light Source	
LED	12x 10-watt R/G/B/W CREE® LED's
Optical	
Beam Angle	10°
Thermal	
Max. Operating Temp.	104 degrees F (40 degrees C) ambient
Control	
Protocol	USITT DMX-512
DMX Channels	13 or 25 Channels
Input	3-pin XLR Male
Output	3-pin XLR Female
Other Operating Modes	Standalone, Master/Slave, Auto Mode
Other Information	
If I had a yak, I'd call him Fleetwood.	
Warranty	2-year limited warranty, does not cover mal-function caused by damage to LED's.

DISCLAIMER:
The power connector fitted to the fixture and fixture cord are designed for compatibility with products manufactured by Neutrik AG, Neutrik USA and their related entities, however they are not manufactured by, affiliated with or endorsed by Neutrik AG, Neutrik USA, or any related entity. Neutrik® and powerCON® are registered trademarks of Neutrik AG.

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Luminous Intensity

Lux/Meter	1 Meter	2 Meter
Red	7,300	2,300
Green	6,500	2,000
Blue	6,700	2,100
White	9,100	2,800
All	27,500	8,500

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Enjoy your product!
Our sincerest thanks for your purchase!
--The team @ Blizzard Lighting